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NOTICE OF ALLOWANCE AND FEE(S) DUE

7055

7590

04/06/2004

GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE RESTON, VA 20191 EXAMINER

AMARI, ALESSANDRO V

ART UNIT

PAPER NUMBER

2872

DATE MAILED: 04/06/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	MED INVENTOR ATTORNEY DOCKET NO.	
09/918,440	08/01/2001	Koichi Maruvama	P21012	4706

TITLE OF INVENTION: OBJECTIVE LENS FOR OPTICAL PICK-UP

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/06/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This for appropriate. All further condicated unless corrected maintenance fee notification	orm should be used for transportespondence including the Pabelow or directed otherwise ions.	mitting the ISSUI atent, advance ord n Block 1, by (a)	E FEE and PUBLI ders and notification specifying a new	CATION FEE (if req n of maintenance fees correspondence addres	uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sepa	hould be completed when correspondence address a arate "FEE ADDRESS" fo	
CURRENT CORRESPONDEN	ICE ADDRESS (Note: Legibly mark-up	with any corrections or	use Block 1)	papers. Each addition	of mailing can only be used for his certificate cannot be used nal paper, such as an assignment	or domestic mailings of th for any other accompanying ent or formal drawing, mus	
GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE RESTON, VA 20191				Certificate of mailing or transmission. Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsing transmitted to the USPTO, on the date indicated below.			
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	F	FIRST NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/918,440 TITLE OF INVENTION: 0	08/01/2001 OBJECTIVE LENS FOR OPTI	CAL PICK-UP	Koichi Maruyan	na	P21012	4706	
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nonprovisional	NO	\$1330		\$300	\$1630	07/06/2004	
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 	ESSANDRO V ce address or indication of "Fee	2872		359-566000 n the patent front page			
Address form PTO/SB/I "Fee Address" indicat PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME ANI	tion (or "Fee Address" Indication or more recent) attached. Use of the Description of the	on form of a Customer PRINTED ON TI w, no assignee da bmitted under sep	agent) and the n attorneys or ager will be printed. HE PATENT (print ta will appear on tharate cover. Comple		assignee data is only approprii	ate when an assignment ha	
Please check the appropriat	e assignee category or categori	es (will not be pri	nted on the natent):	🗅 individual 🔘	corporation or other private gr	roup entity	
4a. The following fee(s) are			Payment of Fee(s):	- marvidan -	corporation of other private gr	oup entity a governmen	
☐ Issue Fee		ļ	A check in the an	nount of the fee(s) is en	closed.		
☐ Publication Fee	: Carrier		•	t card. Form PTO-2038			
☐ Advance Order - # of			Deposit Account Nu	ımber		opy of this form).	
Director for Patents is reque	ested to apply the Issue Fee and	Publication Fee ((if any) or to re-appl	y any previously paid	issue fee to the application ide	ntified above.	
(Authorized Signature)		(Date)					
NOTE; The Issue Fee an other than the applicant; interest as shown by the re	nd Publication Fee (if required a registered attorney or agen ecords of the United States Pate) will not be accut; or the assigned	epted from anyone e or other party in Office.				
Patent and Trademark 22313-1450. DO NOT SEND TO: Commissioner Under the Paperwork Ro	ation is required by 37 CFR 1 by the public which is to file by is governed by 35 U.S.C. 12 test to complete, including gat in to the USPTO. Time will the amount of time you rethis burden, should be sent to Office, U.S. Department of SEND FEES OR COMPLET for Patents, Alexandria, Virging eduction Act of 1995, no peunless it displays a valid OMB	the Chief Inform Commerce, Ale ED FORMS TO nia 22313-1450.	e this form and/or lation Officer, U.S. exandria, Virginia THIS ADDRESS.				



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RESTON, VA 2			ART UNIT	PAPER NUMBER
			2872	
			DATE MAILED: 04/06/2004	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	••		
AL C. CAH. L'III	09/918,440	MARUYAMA, KOIC	ні		
Notice of Allowability	Examiner	Art Unit			
	Alessandro V. Amari	2872			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not includent will be mailed in due	ed course. THIS		
1. X This communication is responsive to amdt of 1/14/2004.					
2. 🔀 The allowed claim(s) is/are <u>1-12</u> .	/				
3. \boxtimes The drawings filed on <u>01 August 2001</u> are accepted by the	Examiner.				
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's 	e been received. e been received in Application No cuments have been received in this of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declara at be submitted. con's Patent Drawing Review (PTO-	complying with the red 'S AMENDMENT or Nation is deficient.	quirements		
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).					
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I			Note the		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 8), 7. Examiner's Amendr 8. Examiner's Stateme 9. Other	(PTO-413), te nent/Comment			

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Art Unit: 2872

REASONS FOR ALLOWANCE

1. Claims 1-12 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claims 1, 6 and 7 are allowable over the prior art for at least the reason that the prior art fails to teach or reasonably suggest, "an exclusive area through which light passes for forming a beam spot on optical discs of the first format but not the second format" as set forth in the claimed combination. Claims 2-5 and 8-12 are also allowable based on their dependence thereto.

The prior art of record, Saito teaches an objective lens for an optical pickup configured for use with optical discs of a first format and second format wherein at least one surface of said objective lens being an aspherical surface, said surface being divided into an effective area and an outer area outside said effective area, said effective area and said outer area being formed such that a predetermined gap is caused between a spherical aberration of a light beam passed through said effective area and a spherical aberration of a light beam passed through said outer area, a diffraction lens structure being formed on said at least one surface within said effective area. However, Saito does not teach the first format having a higher information density than the second format and that an exclusive area through which light passes for forming a beam spot on optical discs is for the first format having the higher information density but not the second format and there is no motivation or teaching to modify this difference as derived. Saito teaches that the exclusive area, interpreted as area Sd2 in

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Figure 12(a) is for the Compact Disc (CD) format which has a lower information density

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than the second format (i.e., Digital Video Disc or DVD).

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Alessandro V. Amari whose telephone number is (571)

272-2306. The examiner can normally be reached on Monday-Friday 8:00 AM to 5:30

PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

ava **Q 4** 29 March 2004 MARK A. ROBINSON
PRIMARY EXAMINER